

Quarterly Progress Report

Project Title:	Study of Optimal Travel Speed Limits for Shared Traffic			
RFP Number: 2002-28	NJDOT Research Project Manager: Nazhat Aboobaker			
Task Order Number/Study Number: NCTIP-043	Principal Investigator: Yang, Jian			
Project Starting Date: 01/01/2003 Original Project Ending Date: 12/31/2003 Modified Completion Date: 06/30/2004	Period Starting Date - Ending Date: Jan. 1 - March 31 , 2004			

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Phase 1. Literature Review	10	0	100	10
Task 1. Review Current Speed Limit Criteria	10	0	100	10
Task 2. Compare NJ Speed Limit Criteria to Others	10	0	100	10
Task 3. Review Attributes for Low-speed Roads	10	10	90	9
Task 4. Assess Data	15	0	100	15
Task 5. Identify Speed Factors	15	0	100	15
Task 6. Establish Procedure for Setting Speeds	10	20	80	8
Task 7. Identify Locations for Implementation	10	50	20	2
Task 8. Final Report	10	20	70	7
Final Report				
TOTAL	100 %			86.0 %

1. Progress this quarter by task:

For several roadway segments, we proposed ideal speed limits using formulas based on our accident frequency and severity models. We also used CORSIM to simulate the impacts of different speed limits on roadway performance indicators. These indicators include vehicle travel times, vehicle emission levels, traffic congestion levels, etc.

Currently, we are working on a C++ code that would easily show the user the proposed ideal speed limit when given roadway information and safety criteria. We are also working on our draft final report for the project.

2. Proposed activities for next quarter by task:

The next quarter will be the final quarter of this project. We will finalize all our activities by the end of it.

We will continue to work on the C++ code, fine tune the operational study, fine tune the statistical prediction model if necessary, and complete the final report.

3. List of deliverables provided in this quarter by task (product date):

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4. Progress on implementation and training activities:

5. Problems/proposed solutions:

6. Budget summary:

Total Project Budget	\$0.00
Modified Contract Amount	\$172,641.00
Total Project Expenditure to date	\$100,035.00
% of Total Project Budget Expended	57.94%